

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE RETRACEMENT OF

THE SOUTH 1/4 MILE BETWEEN SECTIONS 2 AND 3,

A PORTION OF THE SUBDIVISION OF SECTION 3,

AND

A CORRECTIVE RESURVEY OF

PORTIONS OF MINERAL SURVEYS 6192 AND 6792,

IN

TOWNSHIP 2 SOUTH, RANGE 4 EAST,

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

*M. Ross Workman*  
*Cadastral Surveyor*

Under Supplemental Special Instructions dated *June 3, 2011*, approved *June 3, 2011*, which provided for the surveys included under Group Number *984*, and Assignment Instructions dated *June 3, 2011*.

Survey Commenced, *June 8, 2011*  
Survey Completed, *June 8, 2011*

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## TOWNSHIP 2 SOUTH, RANGE 4 EAST, SALT LAKE MERIDIAN, UTAH.

The following field notes are those of the retracement of the south 1/4 mile between sections 2 and 3, a portion of the subdivision of section 3, and a corrective resurvey of portions of Mineral Surveys 6192 and 6792, in T. 2 S., R. 4 E., Salt Lake Meridian, Utah.

## HISTORY OF SURVEYS

	Surveyed by		Retr. or Resurveyed by	
<b>SOUTH BOUNDARY</b>				
All	A.J. Stewart, Jr.	1895		
All			A.P. Hansen	1901
<b>EAST BOUNDARY</b>				
All	J. Gorlinski	1869		
All			A.J. Stewart, Jr.	1895
Portion			R.K. Baugh	1994-95
<b>WEST BOUNDARY</b>				
Portion	H. Fitzhugh	1869		
Portion	J.E. Freeman	1871		
Portion	A.J. Stewart, Jr.	1895		
All			A.P. Hansen	1901
All			R. Gentry	1938-44
<b>NORTH BOUNDARY</b>				
All	J. Gorlinski	1869		
All			A.J. Stewart, Jr.	1895
<b>SUBDIVISION</b>				
Portion	J. Gorlinski	1869		
Portion	C.P. Brooks	1876	C.P. Brooks	1876
Portion	A.J. Stewart, Jr.	1895	A.J. Stewart, Jr.	1895
Portion			R.K. Baugh	1994-95
Portion			T.R. Warburton	2000-02
Portion			M.R. Workman	2004

TOWNSHIP 2 SOUTH, RANGE 4 EAST, SALT LAKE MERIDIAN, UTAH.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Supplemental Special Instructions for Group No. 984, dated June 3, 2011.

The true meridian direction and length of all lines were determined by Global Positioning System (GPS) utilizing Real-Time Kinematics (RTK) observation using the Trimble 5800 model receiver.

The retracement and corrective resurvey data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Global Positioning System (GPS) static observations of the 1/4 section corner of sections 2 and 3, T. 2 S., R. 4 E., post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): CNSPRNGS\_UT 2004, KENNECOTTIUT 2005, and MIDVALE.

The geographic position of the 1/4 section corner of sections 2 and 3, T. 2 S., R. 4 E., is as follows:

Latitude: 40°40'32.004" N.,  
 Longitude: 111°28'22.318" W., N.A.D. 83,  
 Network Accuracy = 0.100 meter at 95% confidence

The geographic position of the SE 1/16 section corner of section 3, T. 2 S., R. 4 E., as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 40°40'19.138" N.,  
 Longitude: 111°28'39.172" W., N.A.D. 83,  
 Network Accuracy = 0.200 meter at 95% confidence

CHAINS

RETRACEMENT OF A PORTION OF THE SUBDIVISIONAL LINES,  
TOWNSHIP 2 SOUTH, RANGE 4 EAST, SALT LAKE MERIDIAN, UTAH.

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Retracement of a Portion of the Subdivisional Lines,  
T. 2 S., R. 4 E., Salt Lake Meridian, Utah.

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Retracement of the Survey Executed by M.R. Workman in 2004.

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Beginning at the corner of sections 2, 3, 10, and 11, monumented with an iron post, 2 1/2 inches diameter, with a 3 inch brass cap marked as described in the official record of the 2004 resurvey.

N. 0°26.9' W., between sections 2 and 3.

- 9.375 Intersect line 1-4, Clegg No. 1 Lode, Mineral Survey 6792, monumented with an aluminum post, 2 1/2 inches diameter, projecting 4 inches above the ground, with aluminum cap marked as described in the official record of the 2004 resurvey.
- 9.770 Intersect line 2-3, Potosi Lode, Mineral Survey 6192, not monumented.
- 19.887 The point for the S 1/16 section corner of sections 2 and 3, falls on the north shoulder of Utah State Highway No. 248.

From which:

An aluminum post, 30 inches long, 2 1/2 inches diameter, set 24 inches in the ground, for a reference monument, bears N. 20°03.2' E., 77 links distance, with a magnet at base, and aluminum cap marked: RM S 1/16 50.80 FT S2 2004, and an arrow pointing to the true corner.

An aluminum post, 30 inches long, 2 1/2 inches diameter, set 24 inches in the ground, for a reference monument, bears N. 57°20.0' W., 79.6 links distance, with a magnet at base, and aluminum cap marked: RM S 1/16 52.50 FT S3 2004, and an arrow pointing to the true corner.

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Retracement of a portion of the Subdivision of Section 3,  
T. 2 S., R. 4 E., Salt Lake Meridian, Utah.

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From the point for the S 1/16 section corner of sections 2 and 3.

N. 89°33.6' W., on the E-W centerline of the SE 1/4 of section 3.

- 0.297 The 2004 monument which will now function as a witness corner, for the intersect point with line 3-4, Eldorado Lode, Mineral Survey 6192, monumented with an aluminum post, 2 1/2 inches diameter, projecting 2 inches above the ground, with aluminum cap marked as described in the official record of the 2004 resurvey; I add the marks: WC, 2011, and an arrow pointing to the true corner point.

RETRACEMENT OF A PORTION OF THE SUBDIVISION OF SECTION 3,  
TOWNSHIP 2 SOUTH, RANGE 4 EAST, SALT LAKE MERIDIAN, UTAH.

CHAINS

Monument is located under guard rail along north side of highway.

- 0.606 Intersect line 3-4, Eldorado Lode, Mineral Survey 6192, unsafe to monument.
- 3.787 Intersect the north right-of-way line between R/W 16 and R/W 17, of Utah State Highway No. 248, monumented with an aluminum post, 2 1/2 inches diameter, projecting 8 inches above the ground, with aluminum cap marked as described in the official record of the 2004 resurvey.
- 19.841 The SE 1/16 section corner of section 3, monumented with an aluminum post, 2 1/2 inches diameter, projecting 6 inches above the ground, with aluminum cap marked as described in the official record of the 2004 resurvey.

Corrective Resurvey of a Portion of Mineral Survey 6192,  
T. 2 S., R. 4 E., Salt Lake Meridian, Utah.

From corner No. 2, Potosi Lode, Mineral Survey 6192 in section 2, monumented with an aluminum post, 2 1/2 inches diameter, projecting 6 inches above the ground, with aluminum cap marked as described in the official record of the 2004 resurvey.

S. 78°45.8' W., on line 2-3, Potosi Lode.

- 0.700 Intersect line 4-1, Clegg No. 1 Lode, Mineral Survey 6792, not monumented.
- 8.457 Intersect the section line between sections 2 and 3, not monumented.
- 8.618 Corner No. 3, Potosi Lode, identical with corner No. 2, El Dorado Lode, same survey, monumented with an aluminum cap on a rebar, 1 1/2 inches diameter, in an old mound of stone, with aluminum cap marked:

E  
+  
P  
2-3-6192

The 2004 BLM aluminum post was removed from the area.

S. 84°19.9' W., on line 2-3, Eldorado Lode, same survey.

- 14.158 Corner No. 3, Eldorado Lode Mineral Survey 6192, monumented with an aluminum pipe, 2 1/2 inches diameter, projecting 6 inches above the ground, with an unmarked aluminum cap.

The 2004 BLM monument was removed by contractors, and was remonumented by an Alliance Engineering surveyor in the same location as the 2004 BLM monument.

CORRECTIVE RESURVEY OF A PORTION OF MINERAL SURVEY 6192,  
TOWNSHIP 2 SOUTH, RANGE 4 EAST, SALT LAKE MERIDIAN, UTAH.

CHAINS

N. 49°34.7' E., on line 3-4, Eldorado Lode, same survey.

- 12.595 Intersect the south right-of-way line between R/W 41 and R/W 42, of Utah State Highway No. 248, not monumented. This intersect point is on a record Meridian Engineering and surveying bearing, on the south right-of-way line, between R/W 41 and R/W 42.

From this point, R/W 42 bears S. 69°26.4' W., 2.317 chains distance, monumented with an iron post, set and marked as described in the official record of the 2004 resurvey.

- 17.814 Intersect the E-W centerline of the SE 1/4 of section 3.
- 23.419 Corner No. 4, Eldorado Lode, monumented with an aluminum cap on a rebar, 1 1/2 inches diameter, in an old mound of stone, with aluminum cap marked:

+  
E-4-6192

The 2004 BLM aluminum post was removed from the area.

Corrective Resurvey of a Portion of Mineral Survey 6792,  
T. 2 S., R. 4 E., Salt Lake Meridian, Utah.

From corner No. 1, Clegg No. 1 Lode, Mineral Survey 6792 in section 3, monumented with an aluminum post, 2 1/2 inches diameter, projecting 10 inches above the ground, in a mound of stone, 4 ft. base, to top of aluminum cap marked as described in the official record of the 2004 resurvey.

N. 75°55.5' E., on line 1-4, Clegg No. 1 Lode, Mineral Survey 6792.

- 13.821 Intersect the section line between sections 2 and 3.
- 21.661 Intersect line 2-3, Potosi Lode, Mineral Survey 6192, not monumented.
- 22.722 Corner No. 4, Clegg No. 1 Lode, monumented with an aluminum post, 2 1/2 inches diameter, projecting 6 inches above the ground, with aluminum cap marked as described in the official record of the 2004 resurvey.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

Name	Capacity
Ronald K. Baugh	Supervisory Cadastral Surveyor

## CERTIFICATE OF SURVEY

I, *M. Ross Workman*, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of Supplemental Special Instructions bearing the date of the 3<sup>rd</sup> day of *June, 2011*, I have retraced the south 1/4 mile between sections 2 and 3, a portion of the subdivision of section 3, and executed a corrective resurvey of portions of mineral surveys 6192 and 6792, in Township 2 South, Range 4 East, of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Supplemental Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

SEPTEMBER 20, 2011

Date

MR Workman

Cadastral Surveyor

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Salt Lake City, Utah

The foregoing field notes of the retracement of the south 1/4 mile between sections 2 and 3, a portion of the subdivision of section 3, and the corrective resurvey of portions of mineral surveys 6192 and 6792, in Township 2 South, Range 4 East, Salt Lake Meridian, Utah, executed by *M. Ross Workman*, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

November 30, 2011

Date

Daniel W. Webb

Chief Cadastral Surveyor for Utah